

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 08  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: TIM SWARTZ

Building Number: 08  
 Building Name: LABS/STORAGE  
 SEATTLE, WASHINGTON  
 Building Type: LAB/STRG  
 Year Constructed: UNKN

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 23%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southwest corner	00-356526	6%	wrapped cardboard/paper pipe	OMA	10 ft.	4 in. O.D.	DW	28	III	\$89	\$56	\$145
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	95 ft.	8 in. O.D.	HPS/R	28	III	\$1,344	\$960	\$2,304
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	15 ft.	6 in. O.D.	HPS/R	28	III	\$195	\$122	\$317
SW & west center area-near ceiling	00-356530	40%	pipe covering	OMA	130 ft.	4 in. O.D.	HPS/R	28	III	\$1,160	\$725	\$1,885
east wall-above carbon dioxide tank	00-356530	40%	pipe covering	OMA	22 ft.	4 in. O.D.	HPS/R	28	III	\$196	\$123	\$319
north end of room	00-356530	40%	pipe covering	OMA	35 ft.	8 in. O.D.	HPS/R	28	III	\$495	\$354	\$849
north end of room	00-356530	40%	pipe covering	OMA	70 ft.	4 in. O.D.	HPS/R	28	III	\$624	\$391	\$1,015
carbon dioxide tank-north center area	06-356523	2%	boiler/tank insulation	OMB	1010 sq.ft.			28	III	\$28,533	\$22,856	\$51,389
	06-356524	0%						28	III			
	06-356525	0%						28	III			
southwest corner	07-356527	50%	mjp on wrapped cardboard/paper	OMA	3 4	in. O.D.	DW	28	III	\$84	\$47	\$131
	07-356528	50%						28	III			
	07-356529	60%						28	III			
east wall-above carbon dioxide tank	08-356531	0%	mjp on pipe covering	OMA	3 4	in. O.D.	HPS/R	28	III	\$84	\$47	\$131
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	4 4	in. O.D.	HPS/R	28	III	\$112	\$62	\$174
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	6 6	in. O.D.	HPS/R	28	III	\$232	\$136	\$368
north end of room	08-356531	0%	mjp on pipe covering	OMA	14 4	in. O.D.	HPS/R	28	III	\$393	\$219	\$612
north end of room	08-356531	0%	mjp on pipe covering	OMA	8 8	in. O.D.	HPS/R	28	III	\$385	\$226	\$611
SW & west center area-near ceiling	08-356531	0%	mjp on pipe covering	OMA	2 8	in. O.D.	HPS/R	28	III	\$96	\$57	\$153
	08-356532	45%						28	III			
	08-356533	0%						28	III			
SW & west center area-near ceiling	09-356534	40%	mjp on non-suspect pipe cover	OMA	6 6	in. O.D.	DW	28	III	\$232	\$136	\$368
north end of room	09-356534	40%	mjp on non-suspect pipe cover	OMA	4 4	in. O.D.	DW	28	III	\$112	\$62	\$174
north end of room	09-356534	40%	mjp on non-suspect pipe cover	OMA	8 6	in. O.D.	DW	28	III	\$309	\$182	\$491
	09-356535	0%						28	III			
	09-356536	0%						28	III			

AREA COMMENTS

The materials are in good condition with limited contact damage. The materials are approximately 1' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$34,675 \$26,761 \$61,436

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 39%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
E & lamp storage rooms-along west wall	00-356506	15%	wrapped cardboard/paper pipe	OMA	40 ft.	4 in. O.D.	HPS/R	28	III	\$357	\$223	\$580

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NW area-SE from elevator-by column northwest area-by elevator E & lamp storage rooms-along west wall	00-356510	0%	wrapped cardboard/paper pipe	OMA	7 ft. 4 in. O.D.	DW					
	00-356511	45%	pipe covering	OMA	26 ft. 4 in. O.D.	HPS/R	28 III	\$232	\$145	\$377	
	02-356507	50%	mjp on wrapped cardboard/paper	OMA	4 4 in. O.D.	HPS/R	28 III	\$112	\$62	\$174	
	02-356508	40%					28 III				
northwest area-by elevator	02-356509	50%					28 III				
	03-356512	50%	mjp on pipe covering	OMA	4 4 in. O.D.	HPS/R	28 III	\$112	\$62	\$174	
	03-356513	50%					28 III				
	03-356514	50%					28 III				

AREA COMMENTS

The materials are in fair to good condition with contact and water damage. The materials are approximately 1' to 9' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 02 TOTAL \$813 \$492 \$1,305

\*\*\*\*\* AREA NUMBER: 03 AREA DESCRIPTION: 2nd Floor-Ceiling AREA AVERAGE % ASBESTOS: 6% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
orientation room	01-356503	6%	sprayed acoustical plaster	OMD	420 sq.ft.			50 II	\$4,561	\$911	\$5,472
	01-356504	8%						50 II			
	01-356505	4%						50 II			

AREA COMMENTS

The material is in good condition with no apparent contact or water damage. The material is approximately 9' from the floor. At a minimum, it is recommended that the material be encapsulated and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 03 TOTAL \$4,561 \$911 \$5,472

\*\*\*\*\* AREA NUMBER: 04 AREA DESCRIPTION: 3rd Floor AREA AVERAGE % ASBESTOS: 41% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
center concrete column-at north end north area-near ceiling north central storage room west side-near ceiling west side-near ceiling north central storage room north area-near ceiling	00-356515	0%	wrapped cardboard/paper pipe	OMA	4 ft. 4 in. O.D.	DW					
	00-356516	55%	pipe covering	OMA	60 ft. 4 in. O.D.	HPS/R	26 III	\$535	\$335	\$870	
	00-356516	55%	pipe covering	OMA	12 ft. 4 in. O.D.	HPS/R	26 III	\$107	\$67	\$174	
	00-356516	55%	pipe covering	OMA	205 ft. 4 in. O.D.	HPS/R	26 III	\$1,829	\$1,144	\$2,973	
	04-356517	50%	mjp on pipe covering	OMA	27 4 in. O.D.	HPS/R	26 III	\$758	\$421	\$1,179	
	04-356517	50%	mjp on pipe covering	OMA	5 4 in. O.D.	HPS/R	26 III	\$140	\$78	\$218	
	04-356517	50%	mjp on pipe covering	OMA	20 4 in. O.D.	HPS/R	26 III	\$562	\$312	\$874	
	04-356518	55%					26 III				
	04-356519	50%					26 III				

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E center & southeast areas-near ceiling north area-near ceiling	05-356520	30%	mjp on non-suspect pipe cover	OMA	16 4 in. O.D.	HPS/R	26 III	\$449	\$250	\$699
	05-356520	30%	mjp on non-suspect pipe cover	OMA	12 4 in. O.D.	HPS/R	26 III	\$337	\$187	\$524
	05-356521	20%					26 III			
	05-356522	30%					26 III			

AREA COMMENTS

The materials are in fair to good condition with minor contact and water damage. The materials are approximately 1' to 8' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 04 TOTAL \$4,717 \$2,794 \$7,511

*****	AREA NUMBER: 05	AREA DESCRIPTION: 4th Floor	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
lounge in SE area-at N end-by AHU E office-janitor's closet-E center area E office-janitor's closet-E center area	00-356537	40%	pipe covering	OMA	38 ft. 4 in.	O.D.	HPS/R	27 III		\$339	\$212	\$551
	00-356537	40%	pipe covering	OMA	10 ft. 4 in.	O.D.	HPS/R	27 III		\$89	\$56	\$145
	10-356538	20%	mjp on non-suspect pipe cover	OMA	1 4 in.	O.D.	HPS/R	27 III		\$28	\$16	\$44
	10-356539	25%						27 III				
	10-356540	20%						27 III				
lounge in SE area-at N end-by AHU	11-356541	50%	mjp on pipe covering	OMA	12 4 in.	O.D.	HPS/R	27 III		\$337	\$187	\$524
	11-356542	20%						27 III				
	11-356543	30%						27 III				

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 1' to 8' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 05 TOTAL \$793 \$471 \$1,264

*****	AREA NUMBER: 06	AREA DESCRIPTION: 4th Floor-Ceilings	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
assistant brewmaster's office & entrance brewmaster's office exercise room in south center area	12-356544	0%	drop or lay-in panel	OMG	150 sq.ft.							
	12-356544	0%	drop or lay-in panel	OMG	400 sq.ft.							
	12-356544	0%	drop or lay-in panel	OMG	200 sq.ft.							
	12-356545	0%										
laboratories on west side	12-356546	0%										
	13-356547	0%	drop or lay-in panel	OMG	1300 sq.ft.							
	13-356548	0%										

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lounge in southeast area	13-356549	0X	acoustical tile	OMG	200 sq.ft.
	14-356550	0X			
	14-356551	0X			
E ofc area-all rooms except brewmaster's	14-356552	0X	acoustical tile	OMG	2700 sq.ft.
	15-356553	0X			
	15-356554	0X			
	15-356555	0X			

AREA COMMENTS

AREA # 06 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 07	AREA DESCRIPTION: 4th Floor-Above Drop Ceilings	AREA AVERAGE % ASBESTOS: 0X	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
assistant brewmaster's office & entrance exercise room in south center area	14-356550	0X	acoustical tile	OMG	230 sq.ft.							
	14-356550	0X	acoustical tile	OMG	200 sq.ft.							
	14-356551	0X										
	14-356552	0X										

AREA COMMENTS

AREA # 07 TOTAL \$0 \$0 \$0

BUILDING # 08 TOTAL \$45,559 \$31,429 \$76,988